

The present invention may be embodied in other specific forms without departing from its spirit or essential characteristics. The described embodiments are to be considered in all respects only as illustrative and not restrictive. The scope of the invention is, therefore, indicated by the appended claims rather than by the foregoing description. All changes which come within the meaning and range of equivalency of the claims are to be embraced within their scope.

What is claimed is:

1. A method of generating a 3D model of a part, the method comprising: receiving a 2D image of the part; processing the 2D image to generate a 3D model of the part; and outputting the 3D model of the part.

1. A method for interleaving print jobs comprising:
selecting a plurality of original print jobs for
printing;
breaking down said original print jobs into smaller
sub-jobs;
interleaving said sub-jobs in an alternating
sequence; and
printing said sub-jobs in said sequence.
2. The method of claim 1 wherein said selecting, said
breaking down and said interleaving are performed at a client computing
device.
3. The method of claim 1 wherein said selecting, said
breaking down and said interleaving are performed at a server.
4. The method of claim 1 wherein said selecting, said
breaking down and said interleaving are performed at a printing device.
5. The method of claim 1 wherein said breaking down is
performed by a print system component.
6. The method of claim 5 wherein said print system
component is a print processor.

7. The method of claim 5 wherein said print system component is driver independent.

8. The method of claim 5 wherein said print system component is a spooler.

9. The method of claim 5 wherein said print system component is a driver.

10. The method of claim 1 wherein said breaking down results in sub-jobs of approximately equal size.

11. The method of claim 1 wherein said breaking down results in sub-jobs of approximately equal printing time.

12. The method of claim 1 wherein said alternating sequence places sub-jobs originating from smaller original print jobs toward the front of the print order.

13. A method for interleaving print jobs comprising:
receiving a plurality of original print jobs at a
print system component;
breaking down said original print jobs into smaller
sub-jobs;
interleaving said sub-jobs in an alternating
sequence; and
printing said sub-jobs in said sequence.

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14. A method for reducing delay of smaller print jobs in a print queue, said method comprising:

receiving a plurality of original print jobs at a print system component, said plurality of original print jobs comprising at least one larger print job and at least one smaller print job;

breaking down said larger original print job into smaller sub-jobs;

interleaving said sub-jobs with said smaller original print job in an alternating sequence; and

printing said sub-jobs and said smaller original print job in said sequence.

15. The method of claim 14 further comprising breaking down said smaller original print job into smaller sub-jobs and wherein said interleaving comprises interleaving said smaller sub-jobs from said larger print job with said smaller sub-jobs from said smaller print job.

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16. A system for interleaving print jobs comprising:
- a receiver for receiving a plurality of original print jobs;
 - a partitioner for breaking down said original print jobs into smaller sub-jobs; and
 - an interleaver for interleaving said sub-jobs in an alternating sequence.

17. A computer readable medium comprising instructions for performing functions within a print system component, said instructions comprising the acts of:

- 5 receiving a plurality of original print jobs at a print system component;
- breaking down said original print jobs into smaller sub-jobs;
- interleaving said sub-jobs in an alternating sequence; and
- 10 printing said sub-jobs in said sequence.

18. A computer data signal embodied in an electronic transmission, said signal having the function of interleaving print jobs, said signal comprising instructions for:

5 receiving a plurality of original print jobs at a
print system component;
breaking down said original print jobs into smaller
sub-jobs;
interleaving said sub-jobs in an alternating
sequence; and
10 printing said sub-jobs in said sequence.